

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/613,736B
Source: IFW/6
Date Processed by STIC: 10/18/06

ENTERED



IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/613,736B

DATE: 10/18/2006

TIME: 09:15:28

Input Set : A:\C1037.70044US00 (100306).ST25.txt
 Output Set: N:\CRF4\10182006\J613736B.raw

3 <110> APPLICANT: Krieg, Arthur M
 5 <120> TITLE OF INVENTION: NUCLEIC ACID COMPOSITIONS FOR STIMULATING IMMUNE RESPONSES
 7 <130> FILE REFERENCE: C1037.70044US00
 9 <140> CURRENT APPLICATION NUMBER: US 10/613,736B
 10 <141> CURRENT FILING DATE: 2003-07-03
 12 <150> PRIOR APPLICATION NUMBER: US 60/394,164
 13 <151> PRIOR FILING DATE: 2002-07-03
 15 <160> NUMBER OF SEQ ID NOS: 26
 17 <170> SOFTWARE: PatentIn version 3.3
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 24
 21 <212> TYPE: DNA
 22 <213> ORGANISM: Artificial sequence
 24 <220> FEATURE:
 25 <223> OTHER INFORMATION: Synthetic oligonucleotide
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 28 tcgtcgttt gtcgttttt tcga 24
 31 <210> SEQ ID NO: 2
 32 <211> LENGTH: 24
 33 <212> TYPE: DNA
 34 <213> ORGANISM: Artificial sequence
 36 <220> FEATURE:
 37 <223> OTHER INFORMATION: Synthetic oligonucleotide
 39 <400> SEQUENCE: 2
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 43 <210> SEQ ID NO: 3
 44 <211> LENGTH: 24
 45 <212> TYPE: DNA
 46 <213> ORGANISM: Artificial sequence
 48 <220> FEATURE:
 49 <223> OTHER INFORMATION: Synthetic oligonucleotide
 52 <220> FEATURE:
 53 <221> NAME/KEY: misc_feature
 54 <222> LOCATION: (1)..(15)
 55 <223> OTHER INFORMATION: n is a, c, g, or t
 57 <400> SEQUENCE: 3
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 61 <210> SEQ ID NO: 4
 62 <211> LENGTH: 9
 63 <212> TYPE: DNA
 64 <213> ORGANISM: Artificial sequence
 66 <220> FEATURE:
 67 <223> OTHER INFORMATION: Synthetic oligonucleotide

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 73 <210> SEQ ID NO: 5
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 75 <212> TYPE: DNA
 76 <213> ORGANISM: Artificial sequence
 78 <220> FEATURE:
 79 <223> OTHER INFORMATION: Synthetic oligonucleotide
 82 <220> FEATURE:
 83 <221> NAME/KEY: misc_feature
 84 <222> LOCATION: (20)..(24)
 85 <223> OTHER INFORMATION: n is a, c, g, or t
 87 <400> SEQUENCE: 5
 W--> 88 tcgtcgaaaa gtcgtttt nnnn 24
 91 <210> SEQ ID NO: 6
 92 <211> LENGTH: 19
 93 <212> TYPE: DNA
 94 <213> ORGANISM: Artificial sequence
 96 <220> FEATURE:
 97 <223> OTHER INFORMATION: Synthetic oligonucleotide
 99 <400> SEQUENCE: 6
 100 tcgtcgaaaa gtcgtttt 19
 103 <210> SEQ ID NO: 7
 104 <211> LENGTH: 23
 105 <212> TYPE: DNA
 106 <213> ORGANISM: Artificial sequence
 108 <220> FEATURE:
 109 <223> OTHER INFORMATION: Synthetic oligonucleotide
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 112 tcgtcgaaaa gtcgtttt tcg 23
 115 <210> SEQ ID NO: 8
 116 <211> LENGTH: 22
 117 <212> TYPE: DNA
 118 <213> ORGANISM: Artificial sequence
 120 <220> FEATURE:
 121 <223> OTHER INFORMATION: Synthetic oligonucleotide
 123 <400> SEQUENCE: 8
 124 tcgtcgaaaa gtcgttttt tc 22
 127 <210> SEQ ID NO: 9
 128 <211> LENGTH: 21
 129 <212> TYPE: DNA
 130 <213> ORGANISM: Artificial sequence
 132 <220> FEATURE:
 133 <223> OTHER INFORMATION: Synthetic oligonucleotide
 135 <400> SEQUENCE: 9
 136 tcgtcgaaaa gtcgttttt t 21
 139 <210> SEQ ID NO: 10
 140 <211> LENGTH: 20
 141 <212> TYPE: DNA

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Input Set : A:\C1037.70044US00 (100306).ST25.txt
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142 <213> ORGANISM: Artificial sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: Synthetic oligonucleotide
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153 <212> TYPE: DNA
154 <213> ORGANISM: Artificial sequence
156 <220> FEATURE:
157 <223> OTHER INFORMATION: Synthetic oligonucleotide
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160 cgtcgtttg tcgtttttt cga 23
163 <210> SEQ ID NO: 12
164 <211> LENGTH: 22
165 <212> TYPE: DNA
166 <213> ORGANISM: Artificial sequence
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171 <400> SEQUENCE: 12
172 gtcgtttgt cgttttttc ga 22
175 <210> SEQ ID NO: 13
176 <211> LENGTH: 21
177 <212> TYPE: DNA
178 <213> ORGANISM: Artificial sequence
180 <220> FEATURE:
181 <223> OTHER INFORMATION: Synthetic oligonucleotide
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187 <210> SEQ ID NO: 14
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189 <212> TYPE: DNA
190 <213> ORGANISM: Artificial sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: Synthetic oligonucleotide
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201 <212> TYPE: DNA
202 <213> ORGANISM: Artificial sequence
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205 <223> OTHER INFORMATION: Synthetic oligonucleotide
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208 gttttgtcgt ttttttcga 19
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212 <211> LENGTH: 18
213 <212> TYPE: DNA
214 <213> ORGANISM: Artificial sequence

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225 <212> TYPE: DNA
226 <213> ORGANISM: Artificial sequence
228 <220> FEATURE:
229 <223> OTHER INFORMATION: Synthetic oligonucleotide
231 <400> SEQUENCE: 17
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235 <210> SEQ ID NO: 18
236 <211> LENGTH: 16
237 <212> TYPE: DNA
238 <213> ORGANISM: Artificial sequence
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Synthetic oligonucleotide
243 <400> SEQUENCE: 18
244 ttgtcggtt tttcga
247 <210> SEQ ID NO: 19
248 <211> LENGTH: 15
249 <212> TYPE: DNA
250 <213> ORGANISM: Artificial sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: Synthetic oligonucleotide
255 <400> SEQUENCE: 19
256 tgtcgtttt ttcga
259 <210> SEQ ID NO: 20
260 <211> LENGTH: 14
261 <212> TYPE: DNA
262 <213> ORGANISM: Artificial sequence
264 <220> FEATURE:
265 <223> OTHER INFORMATION: Synthetic oligonucleotide
267 <400> SEQUENCE: 20
268 gtcgttttt tcga
271 <210> SEQ ID NO: 21
272 <211> LENGTH: 13
273 <212> TYPE: DNA
274 <213> ORGANISM: Artificial sequence
276 <220> FEATURE:
277 <223> OTHER INFORMATION: Synthetic oligonucleotide
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280 tcgtttttt cga
283 <210> SEQ ID NO: 22
284 <211> LENGTH: 12
285 <212> TYPE: DNA
286 <213> ORGANISM: Artificial sequence
288 <220> FEATURE:

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 PATENT APPLICATION: US/10/613,736B TIME: 09:15:28

Input Set : A:\C1037.70044US00 (100306).ST25.txt
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289 <223> OTHER INFORMATION: Synthetic oligonucleotide
 291 <400> SEQUENCE: 22
 292 cgttttttc ga 12
 295 <210> SEQ ID NO: 23
 296 <211> LENGTH: 11
 297 <212> TYPE: DNA
 298 <213> ORGANISM: Artificial sequence
 300 <220> FEATURE:
 301 <223> OTHER INFORMATION: Synthetic oligonucleotide
 303 <400> SEQUENCE: 23
 304 gtttttttcg a 11
 307 <210> SEQ ID NO: 24
 308 <211> LENGTH: 10
 309 <212> TYPE: DNA
 310 <213> ORGANISM: Artificial sequence
 312 <220> FEATURE:
 313 <223> OTHER INFORMATION: Synthetic oligonucleotide
 315 <400> SEQUENCE: 24
 316 tttttttcga 10
 319 <210> SEQ ID NO: 25
 320 <211> LENGTH: 26
 321 <212> TYPE: DNA
 322 <213> ORGANISM: Artificial sequence
 324 <220> FEATURE:
 325 <223> OTHER INFORMATION: Synthetic oligonucleotide
 328 <220> FEATURE:
 329 <221> NAME/KEY: misc_feature
 330 <222> LOCATION: (4)..(23)
 331 <223> OTHER INFORMATION: n is a, c, g, or t; and any 0-20 may be absent.
 333 <400> SEQUENCE: 25
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 338 <211> LENGTH: 49
 339 <212> TYPE: DNA
 340 <213> ORGANISM: Artificial sequence
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 343 <223> OTHER INFORMATION: Synthetic oligonucleotide
 346 <220> FEATURE:
 347 <221> NAME/KEY: misc_feature
 348 <222> LOCATION: (4)..(23)
 349 <223> OTHER INFORMATION: n is a, c, g, or t; and any 0-20 may be absent.
 351 <220> FEATURE:
 352 <221> NAME/KEY: misc_feature
 353 <222> LOCATION: (27)..(46)
 354 <223> OTHER INFORMATION: n is a, c, g, or t; and any 0-20 may be absent.
 356 <400> SEQUENCE: 26
 W--> 357 gggnnnnnnn nnnnnnnnnn nnngggnnnn nnnnnnnnnn nnnnnnnggg 49

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 10/18/2006
PATENT APPLICATION: US/10/613,736B TIME: 09:15:29

Input Set : A:\C1037.70044US00 (100306).ST25.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15

Seq#:5; N Pos. 20,21,22,23,24

Seq#:25; N Pos. 4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23

Seq#:26; N Pos. 4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,27,28

Seq#:26; N Pos. 29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46

VERIFICATION SUMMARY

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Input Set : A:\C1037.70044US00 (100306).ST25.txt
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L:58 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:88 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:334 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0